

Title (en)

ELECTROSTATIC DISSIPATIVE FLUOROPOLYMER COMPOSITES AND ARTICLES FORMED THEREFROM

Title (de)

ELEKTROSTATISCHE DISSIPATIVE FLUORPOLYMERZUSAMMENSETZUNGEN UND DARAUS HERGESTELLTE GEGENSTÄNDE

Title (fr)

COMPOSITES DE FLUOROPOLYMÈRE À DISSIPATION ÉLECTROSTATIQUE ET ARTICLES FORMÉS À PARTIR DE CEUX-CI

Publication

EP 3857106 A1 20210804 (EN)

Application

EP 19866675 A 20190924

Priority

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- US 2019052594 W 20190924

Abstract (en)

[origin: US2020103056A1] Articles, such as various operative components of a fluid delivery and storage system, incorporating a composite including a fluoropolymer matrix having regions of perfluorinated distributed within the matrix into their construction. The tubing and various operative components incorporating the composite are electrostatic dissipative in nature having a surface resistivity ranging from between 1×10^4 ohms/square and 1×10^{12} ohms/square.

IPC 8 full level

F16L 9/12 (2006.01); **C08L 27/12** (2006.01); **C08L 81/08** (2006.01); **F16L 11/04** (2006.01); **F16L 47/00** (2006.01); **F16L 55/00** (2006.01)

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C-Set (source: EP)

C08L 27/18 + **C08L 27/18**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2020103056 A1 20200402; CN 112703343 A 20210423; CN 112703343 B 20230808; CN 116989192 A 20231103; EP 3857106 A1 20210804; EP 3857106 A4 20220622; JP 2021535982 A 20211223; JP 2022189915 A 20221222; JP 7441922 B2 20240301; KR 102589565 B1 20231016; KR 20210039486 A 20210409; KR 20230147759 A 20231023; TW 202030434 A 20200816; TW I714283 B 20201221; WO 2020068745 A1 20200402

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US 201916580210 A 20190924; CN 201980060216 A 20190924; CN 202310975055 A 20190924; EP 19866675 A 20190924; JP 2021510420 A 20190924; JP 2022169045 A 20221021; KR 20217008385 A 20190924; KR 20237034689 A 20190924; TW 108135018 A 20190927; US 2019052594 W 20190924